

Abstract of the Disclosure

Methods of controlling an arc welding shop. In the shop, several welding torches are used and each torch is supplied with consumable wire. The wire moves at a wire speed and is subjected to an electrical current. For each torch, either an average wire speed or an average electrical current, as measured over a fixed time period, is determined by a sensor. These values then allow productivity parameters to be selected for the torches. Productivity parameters include the duty factor, the deposition rate, the average duty factor, and the average deposition rate.